

=> d his

(FILE 'HOME' ENTERED AT 15:35:12 ON 04 MAR 2003)

L1 FILE 'USPATFULL' ENTERED AT 15:35:20 ON 04 MAR 2003  
L2 0 S TRIFLOROVALINE  
4 S TRIFLUOROVALINE

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:36:39 ON 04 MAR 2003

SEA HEXAFLUOROVALINE OR HOMOALLYLGLYCINE

1 FILE BIOBUSINESS  
9 FILE BIOSIS  
1 FILE BIOTECHABS  
1 FILE BIOTECHDS  
5 FILE BIOTECHNO  
37 FILE CAPLUS  
4 FILE DDFB  
1 FILE DDFU  
4 FILE DRUGB  
1 FILE DRUGU  
12 FILE EMBASE  
3 FILE ESBIODASE  
3 FILE JICST-EPLUS  
2 FILE LIFESCI  
9 FILE MEDLINE  
2 FILE PASCAL  
15 FILE SCISEARCH  
7 FILE TOXCENTER  
8 FILE USPATFULL

L3 QUE HEXAFLUOROVALINE OR HOMOALLYLGLYCINE

L4 FILE 'CAPLUS' ENTERED AT 15:37:49 ON 04 MAR 2003  
L5 37 S L3  
4 S L4(P) (STABL?)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 15:39:10 ON 04 MAR 2003

SEA (PENTENOIC OR TRIFLUOROLEUCINE OR HEXAFLUOROLEUCINE OR METH

0\* FILE ADISNEWS  
1 FILE ANABSTR  
3 FILE AQUASCI  
3 FILE BIOBUSINESS  
0\* FILE BIOCOMMERCE  
24 FILE BIOSIS  
8\* FILE BIOTECHABS  
8\* FILE BIOTECHDS  
9\* FILE BIOTECHNO  
4 FILE CABA  
2 FILE CANCERLIT  
73 FILE CAPLUS  
1\* FILE CEABA-VTB  
0\* FILE CIN

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1 FILE CROPU
4 FILE DDFB
2 FILE DDFU
4 FILE DRUGB
3 FILE DRUGU
14 FILE EMBASE
6* FILE EMBIOWBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
2* FILE FSTA
26 FILE IFIPAT
3 FILE JICST-EPLUS
0* FILE KOSMET
8 FILE LIFESCI
0* FILE MEDICINF
13 FILE MEDLINE
1* FILE NTIS
0* FILE NUTRACEUT
7* FILE PASCAL
0* FILE PHARMAML
11 FILE SCISEARCH
16 FILE TOXCENTER
141 FILE USPATFULL
6 FILE USPAT2
19 FILE WPIDS
19 FILE WPINDEX
L6 QUE (PENTENOIC OR TRIFLUOROLEUCINE OR HEXAFLUOROLEUCINE OR METH
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FILE 'CAPLUS, SCISEARCH, WPIDS, EMBASE, MEDLINE' ENTERED AT 15:42:55 ON
04 MAR 2003
L7 130 S L6
L8 94 DUP REM L7 (36 DUPLICATES REMOVED)
L9 10 S L8(P) (REPLAC?)
L10 94 S L8
L11 6 S L8(P) (STAB?)
L12 78 S (PENTENOIC OR HEXAFLUOROLEUCINE OR METHYLPENTANOIC OR TRIFLUO
L13 62 DUP REM L12 (16 DUPLICATES REMOVED)
FILE 'USPATFULL' ENTERED AT 15:59:05 ON 04 MAR 2003
L14 5 S L6(P) (REPLAC?)
FILE 'STNGUIDE' ENTERED AT 16:05:03 ON 04 MAR 2003
FILE 'STNGUIDE' ENTERED AT 16:10:05 ON 04 MAR 2003
INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROFB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:10:13 ON
04 MAR 2003
SEA L6(P) (MUTANT OR MUTATION)
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0* FILE ADISNEWS
0* FILE BIOCOMMERCE
4 FILE BIOSIS
3* FILE BIOTECHABS
3* FILE BIOTECHDS
1* FILE BIOTECHNO
2 FILE CANCERLIT

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14  FILE CAPLUS
0*  FILE CEABA-VTB
0*  FILE CIN
1   FILE DDFB
1   FILE DRUGB
3   FILE EMBASE
1*  FILE ESBIODBASE
0*  FILE FEDRIP
0*  FILE FOMAD
0*  FILE FOREGE
0*  FILE FROSTI
1*  FILE FSTA
2   FILE IFIPAT
0*  FILE KOSMET
3   FILE LIFESCI
0*  FILE MEDICONF
4   FILE MEDLINE
0*  FILE NTIS
0*  FILE NUTRACEUT
0*  FILE PASCAL
0*  FILE PHARMAML
2   FILE SCISEARCH
    SEA L6(P) (MUTANT? OR MUTATION?)
-----
0*  FILE ADISNEWS
0*  FILE BIOCOMMERCE
6   FILE BIOSIS
3*  FILE BIOTECHABS
3*  FILE BIOTECHDS
1*  FILE BIOTECHNO
2   FILE CANCERLIT
18  FILE CAPLUS
0*  FILE CEABA-VTB
0*  FILE CIN
1   FILE DDFB
1   FILE DDFU
1   FILE DRUGB
2   FILE DRUGU
3   FILE EMBASE
1*  FILE ESBIODBASE
0*  FILE FEDRIP
0*  FILE FOMAD
0*  FILE FOREGE
0*  FILE FROSTI
1*  FILE FSTA
2   FILE IFIPAT
0*  FILE KOSMET
3   FILE LIFESCI
0*  FILE MEDICONF
5   FILE MEDLINE
0*  FILE NTIS
0*  FILE NUTRACEUT
0*  FILE PASCAL
0*  FILE PHARMAML
2   FILE SCISEARCH
4   FILE TOXCENTER
2   FILE USPATFULL
1   FILE USPAT2
1   FILE WPIIDS
1   FILE WPINDEK
    QUE L6(P) (MUTANT? OR MUTATION?)
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FILE 'USPATFULL, CAPLUS, MEDLINE, TOXCENTER, SCISEARCH, EMBASE' ENTERED  
AT 16:12:31 ON 04 MAR 2003

L16 34 S L15  
L17 21 DUP REM L16 (13 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 16:12:56 ON 04 MAR 2003

FILE 'CAPLUS' ENTERED AT 16:16:39 ON 04 MAR 2003

L18 0 S HOMOALLYLGLYCINE  
L19 13 S HOMOALLYLGLYCINE  
L20 275 S HAG  
L21 0 S L20(P) (LEUCINE OR ISOLEUCINE OR VALINE)  
L22 36 S HAG(P) (HOMO?)  
L23 13 S L19

FILE 'REGISTRY' ENTERED AT 16:18:34 ON 04 MAR 2003

FILE 'CAPLUS' ENTERED AT 16:20:19 ON 04 MAR 2003

L24 1 S HEXAFLUROVALINE  
L25 44 S TRIFLUOROMETHYLPENT?  
L26 0 S L25(P) (VALINE OR VAL OR LEU OR LEUCINE OR ILE OR ISOLEUCINE)  
L27 20 S HOMOALLYLGLYCINE OR HOMOPROPARGLY? OR FLUROPHENYLALANINE  
L28 7 S L27(P) (INCORPOR? OR REPLAC?)

FILE 'USPATFULL' ENTERED AT 16:25:18 ON 04 MAR 2003

L29 12 S L27

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:29:58 ON  
04 MAR 2003

FILE 'CAPLUS' ENTERED AT 16:30:50 ON 04 MAR 2003

L30 1 S (PENTENOIC OR HEXAFLUROLEUCINE OR METHYLPENTANOIC OR TRIFLUO  
L31 0 S HOMOPROPARA?  
L32 684 S HOMOPRO?  
L33 261 S HOMOPROPARG?  
L34 261 S HOMOPROPARG?  
L35 1 S HOMOPROPARGLYCINE  
L36 2 S HOMOPROPARGLY?

FILE 'STNGUIDE' ENTERED AT 16:34:07 ON 04 MAR 2003

FILE 'STNGUIDE' ENTERED AT 16:34:22 ON 04 MAR 2003

FILE 'USPATFULL' ENTERED AT 16:34:25 ON 04 MAR 2003

L37 3 S HOMOPROPARGLY?

FILE 'STNGUIDE' ENTERED AT 16:36:32 ON 04 MAR 2003

L38 0 S (PENTENOIC OR HEXAFLUROLEUCINE OR METHYLPENTANOIC OR TRIFLUO

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:37:49 ON  
04 MAR 2003

SEA (PENTENOIC OR HEXAFLUROLEUCINE OR METHYLPENTANOIC OR TRIFL  
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0\* FILE ADISNEWS  
0\* FILE BIOCOMMERCE

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4 FILE BIOSIS
1* FILE BIOTECHABS
1* FILE BIOTECHDS
2* FILE BIOTECHNO
1 FILE CANCERLIT
21 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
SEA (PENTENOIC OR HEXAFLUOROLEUCINE OR METHYLPENTANOIC OR TRIFL
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0* FILE ADISNEWS
0* FILE BIOCCommerce
4 FILE BIOSIS
1* FILE BIOTECHABS
1* FILE BIOTECHDS
2* FILE BIOTECHNO
1 FILE CANCERLIT
21 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CIN
3 FILE EMBASE
2* FILE ESBIODBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
0* FILE FROSTI
0* FILE FSTA
4 FILE IFIPAT
0* FILE KOSMET
3 FILE LIFESCI
0* FILE MEDICINF
3 FILE MEDLINE
0* FILE NTIS
0* FILE NUTRACEUT
0* FILE PASCAL
0* FILE PHARMAML
4 FILE SCISEARCH
3 FILE TOXCENTER
2 FILE USPATFULL
2 FILE WPIDS
2 FILE WPINDEX

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L39 QUE (PENTENOIC OR HEXAFLUOROLEUCINE OR METHYLPENTANOIC OR TRIFL
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FILE 'USPATFULL, WPIDS' ENTERED AT 16:39:35 ON 04 MAR 2003
L40 4 S L39
L41 4 DUP REM L40 (0 DUPLICATES REMOVED)

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FILE 'CAPLUS, MEDLINE, EMBASE' ENTERED AT 16:40:12 ON 04 MAR 2003
L42 27 S L39
L43 22 DUP REM L42 (5 DUPLICATES REMOVED)

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FILE 'STNGUIDE' ENTERED AT 16:40:56 ON 04 MAR 2003

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AN 1999:132308 CAPLUS  
 DN 130:252652  
 TI Covalent capture and stabilization of cylindrical .beta.-sheet peptide assemblies  
 AU Clark, Thomas D.; Kobayashi, Kenji; Ghadiri, M. Reza  
 CS Departments of Chemistry and Molecular Biology and The Skaags Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA  
 SO Chemistry--A European Journal (1999), 5(2), 782-792  
 CODEN: CEUJED; ISSN: 0947-6539  
 PB Wiley-VCH Verlag GmbH  
 DT Journal  
 LA English  
 RE.CNT 79 THERE ARE 79 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT  
 AB The utility of noncovalent approaches to mol. self-assembly is often limited by kinetic instability of the resulting constructs. In an effort to surmount this difficulty, noncovalent interactions between self-assembling cyclic peptide subunits were employed to direct covalent bond formation, resulting in cylindrical .beta.-sheet dimers that are both kinetically and thermodynamically stable. In the two peptide systems examd., intersubunit hydrogen bonding serves important but distinct functions. For olefin metathesis of **homoaallyglycine** (Hag)-bearing peptide cyclo[(-L-Phe-D-MeAla-L-Hag-D-MeAla)2], hydrogen bonding drives the reaction by increasing olefin effective molarity. In contrast, for disulfide isomerization of monomeric cystine peptide bicyclo[(-L-Phe-D-MeAla-L-Cys-D-MeAla)2], hydrogen bonding appears to control partitioning between two alternative disulfide-bonded dimers by contributing to the stability of the hydrogen-bonded isomer. The proposed mechanism for the latter transformation is reminiscent both of thiol-catalyzed unscrambling of RNase A and oxidative refolding pathways of natural proteins and protein fragments.  
 ST cylindrical beta sheet cystine cyclopeptide assembly formation; **homoaallyglycine** cyclopeptide cylindrical beta sheet assembly formation; hydrogen bond cyclopeptide supramol assembly dimerization  
 L23 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS

L46 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
 AN 1987:214372 CAPLUS  
 DN 106:214372  
 TI Long-acting angiotensin II inhibitors containing hexafluorovaline in position 8  
 AU Hsieh, Kun Hwa; Needleman, Philip; Marshall, Garland R.  
 CS Health Sci. Cent., Univ. Colorado, Denver, CO, 80262, USA  
 SO Journal of Medicinal Chemistry (1987), 30(6), 1097-100  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 OS CASREACT 106:214372  
 IT **107496-51-5P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (prepn. and deblocking of)

L46 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
 AN 1981:491357 CAPLUS  
 DN 95:91357  
 TI Synthesis of fluorine-containing peptides. Analogs of angiotensin II containing hexafluorovaline  
 AU Vine, William H.; Hsieh, Kun-Hwa; Marshall, Garland R.  
 CS Sch. Med., Washington Univ., St. Louis, MO, 63110, USA  
 SO Journal of Medicinal Chemistry (1981), 24(9), 1043-7  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 AB .gamma.,.gamma.,.gamma.,.gamma.,.gamma.,.gamma.,.gamma.'-Hexafluorovaline (Hfv) and derivs. were prepd. and incorporated into angiotensin II (AII) by fragment condensation and solid-phase peptide synthesis. Hexafluorovaline derivs. showed general resistance toward various enzymic digestions and the tendency to racemize extensively upon carboxyl activation. When the angiotensin II analogs were assayed on rat uterus, [Hfv5]AII [78164-96-2] had 133% activity, [D-Hfv5]AII [78164-97-3] was inactive, and [Ac-Asnl, Val5, DL-Hfv8]AII [**78164-98-4**] was a potent inhibitor of 5-valine-angiotensin II [58-49-1] in vitro and in vivo.  
 IT 78164-96-2P 78164-97-3P **78164-98-4P**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (prepn. and biol. activity of)  
 IT 78164-90-6P **78181-64-3P 78181-65-4P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)

L17 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2003 ACS                      DUPLICATE 6  
AN 1974:447346 CAPLUS  
DN 81:47346  
TI Pleiotropy of hisT mutants blocked in pseudouridine synthesis in tRNA.  
Leucine and isoleucine-valine operons  
AU Cortese, Riccardo; Landsberg, Raymond; Vonder Haar, R. A.; Umbarger, H.  
E.; Ames, Bruce N.  
CS Biochem. Dep., Univ. California, Berkeley, CA, USA  
SO Proceedings of the National Academy of Sciences of the United States of  
America (1974), 71(5), 1857-61  
CODEN: PNASA6; ISSN: 0027-8424  
DT Journal  
LA English  
AB The hisT gene codes for an enzyme responsible for the conversion of  
uridine to pseudouridine (.PSI.) in the anticodon region of many tRNA  
species in Salmonella typhimurium. The chromatog. behavior of all tRNA<sup>Leu</sup>  
and 1 tRNA<sup>Ile</sup> species from a hisT mutant were altered. By  
contrast, tRNA<sup>Val</sup>, which contains no .PSI. except for one in the T.PSI.CG  
sequence, was chromatog. unaltered. In hisT mutants the  
regulation of the leucine and the isoleucine and valine operons  
was affected. The enzymes of these operons were refractory to repression  
by the branched chain amino acids. However, there was no difference  
between hisT and wild type in the pattern of derepression caused by  
isoleucine or valine limitation and only a slight difference in  
the enzyme levels in cells grown on minimal medium. The alteration in the  
regulation of branched chain amino acid operons may explain the resistance  
of hisT mutants to 5,5-trifluoroleucine,  
.beta.-hydroxyleucine, and norleucine and to the oligopeptides  
glycylglycylnorleucine and norleucylnorleucine.



L13 ANSWER 39 OF 62 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 9  
 AN 1979:608178 CAPLUS  
 DN 91:208178  
 TI A comparison of protein synthesis by liver parenchymal cells isolated from Fischer F344 rats of various ages  
 AU Coniglio, John J.; Liu, Daniel S. H.; Richardson, Arlan  
 CS Dep. Chem., Illinois State Univ., Normal, IL, 61761, USA  
 SO Mechanisms of Ageing and Development (1979), 11(2), 77-90  
 CODEN: MAGDA3; ISSN: 0047-6374  
 DT Journal  
 LA English  
 AB The body wt. of 2.5-30-mo-old male rats reached a max at 12 mo (408 g), then decreased through 30 mo (336 g). Liver wt. increased steadily from 2 mo (10.4g) to 30 mo (14.6 g). The protein and RNA content of the liver fluctuated with age and no significant trend was obsd. The DNA content increased with age, from 2.03 mg/g liver at 2 mo. to 2.47 mg/g liver at 30 mo. **Valine** incorporation into protein by isolated liver parenchymal cells (ILPC) decreased from 120.7 pmol/min/mg protein (units) at 2.5 mo to 67.6 units at 18 mo of age. The rate of protein synthesis then increased to 80.0 units at 30 mo. The age-related decrease in protein synthesis appeared to be due to a general decrease in protein synthesis rather than to a decrease in a particular protein. The ribosomal half-transit times of polypeptide synthesis by ILPC were 1.46 min in 4-mo-old rats and 2.4 in 18-mo-old rats. Thus, the translation of mRNA by ribosomes occurred at a slower rate in ILPC of 18-mo-old rats than of 4-mo-old rats. Incorporation of the amino acid analog, p-**fluorophenylalanine**-14C (I) into protein was lower in ILPC from 18-mo-old rats (254 dpm/mg protein) than from 4-mo-old rats (343 dpm/mg protein). The rate of protein synthesis, measured as the incorporation of **valine**-2,3-3H2 (II) into protein, decreased from 4 mo (3424 dpm/mg protein) to 18 mo (2443 dpm/mg protein). The I/II incorporation ratio was 0.10 for ILPC from 4- and 18-mo-old rats. Thus, no age-related change in the frequency of errors due to the substitution of I for phenylalanine was obsd.